

GRAPHIC EQUALIZER
1070KE/KE-7090
 SERVICE MANUAL

KENWOOD

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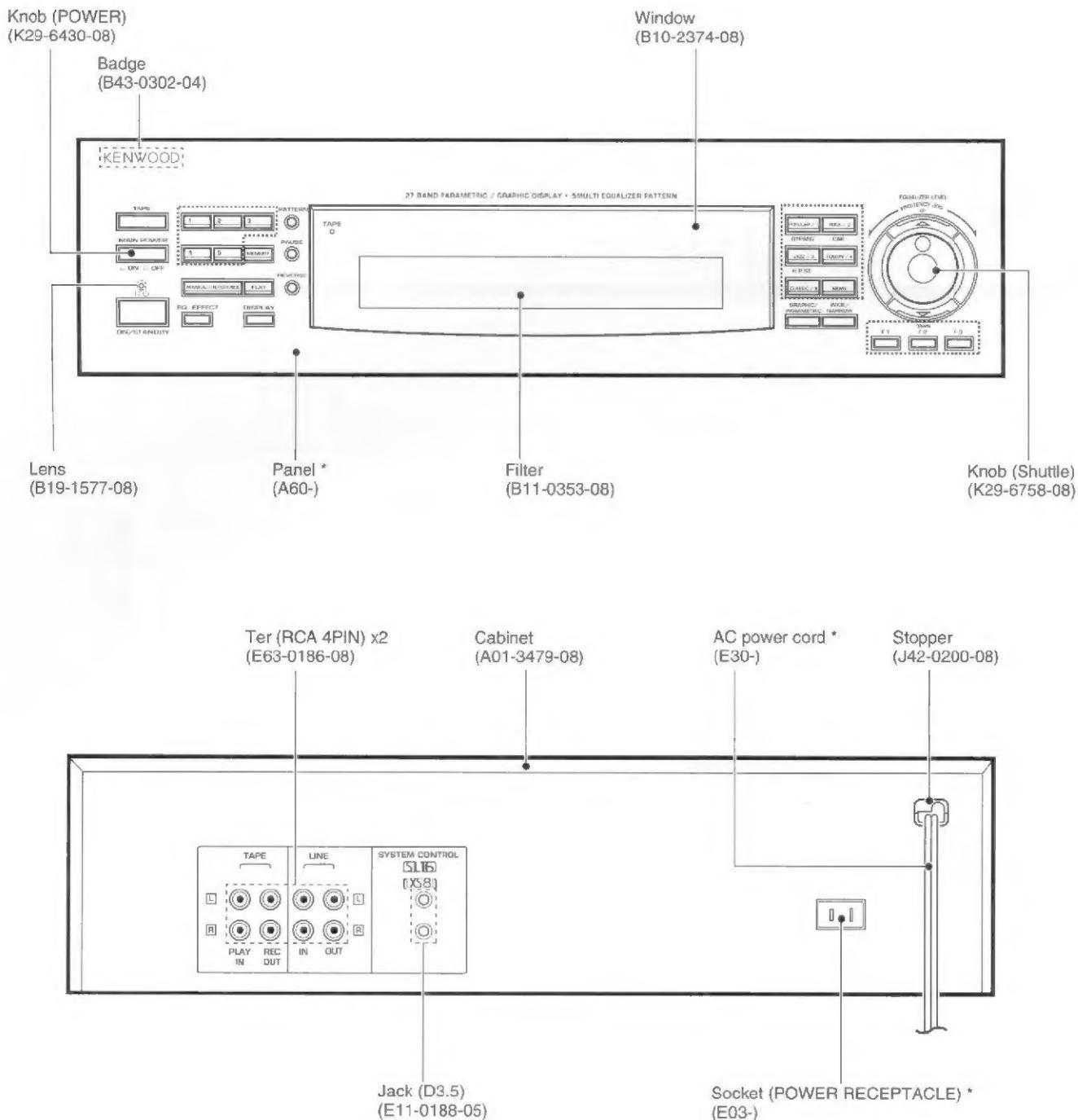
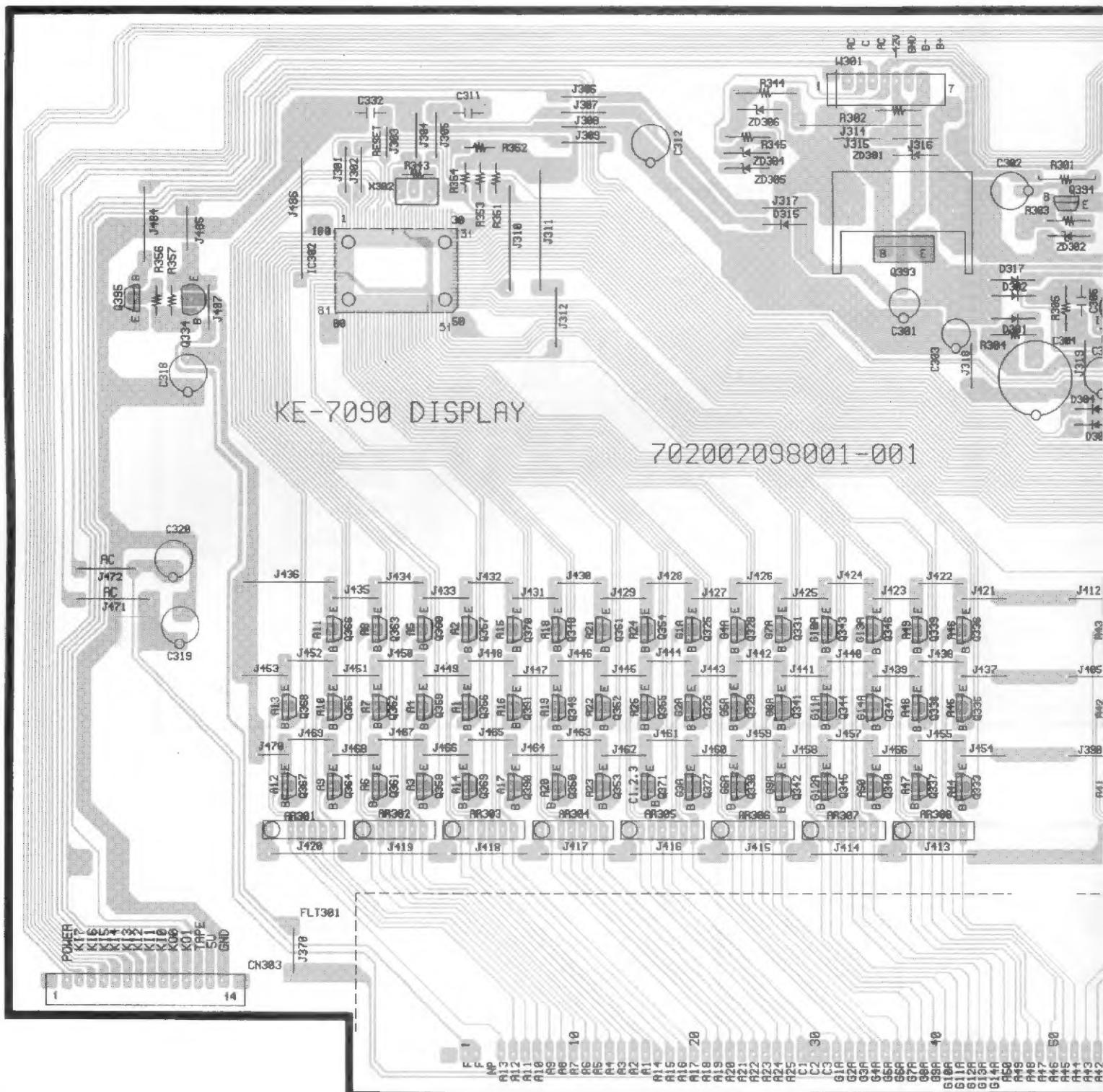


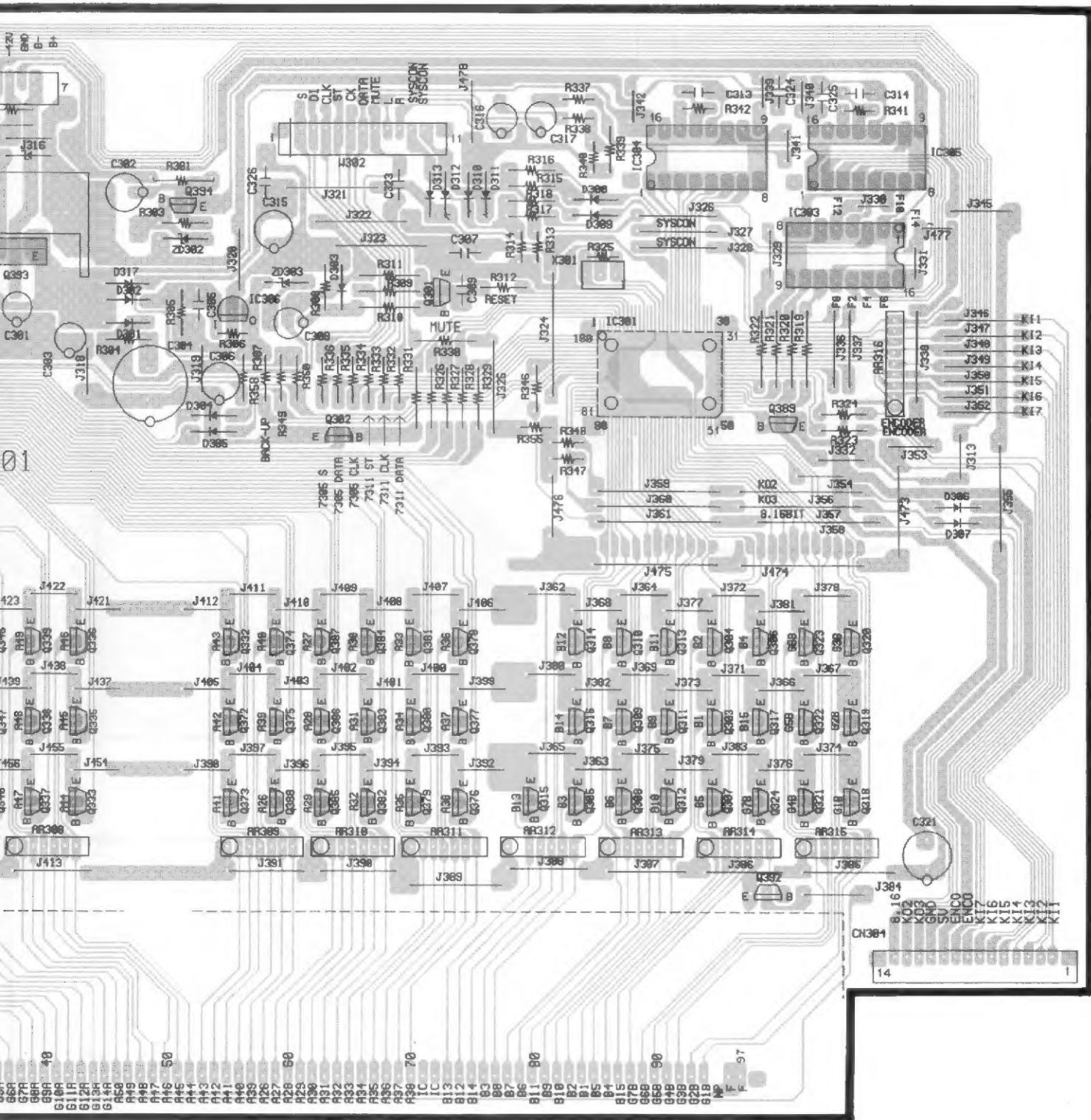
Illustration is KE-7090.

* Refer to parts list on page 18.

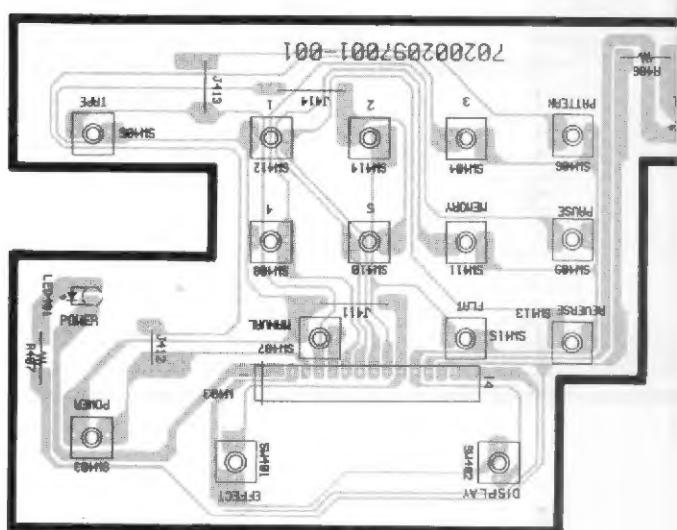
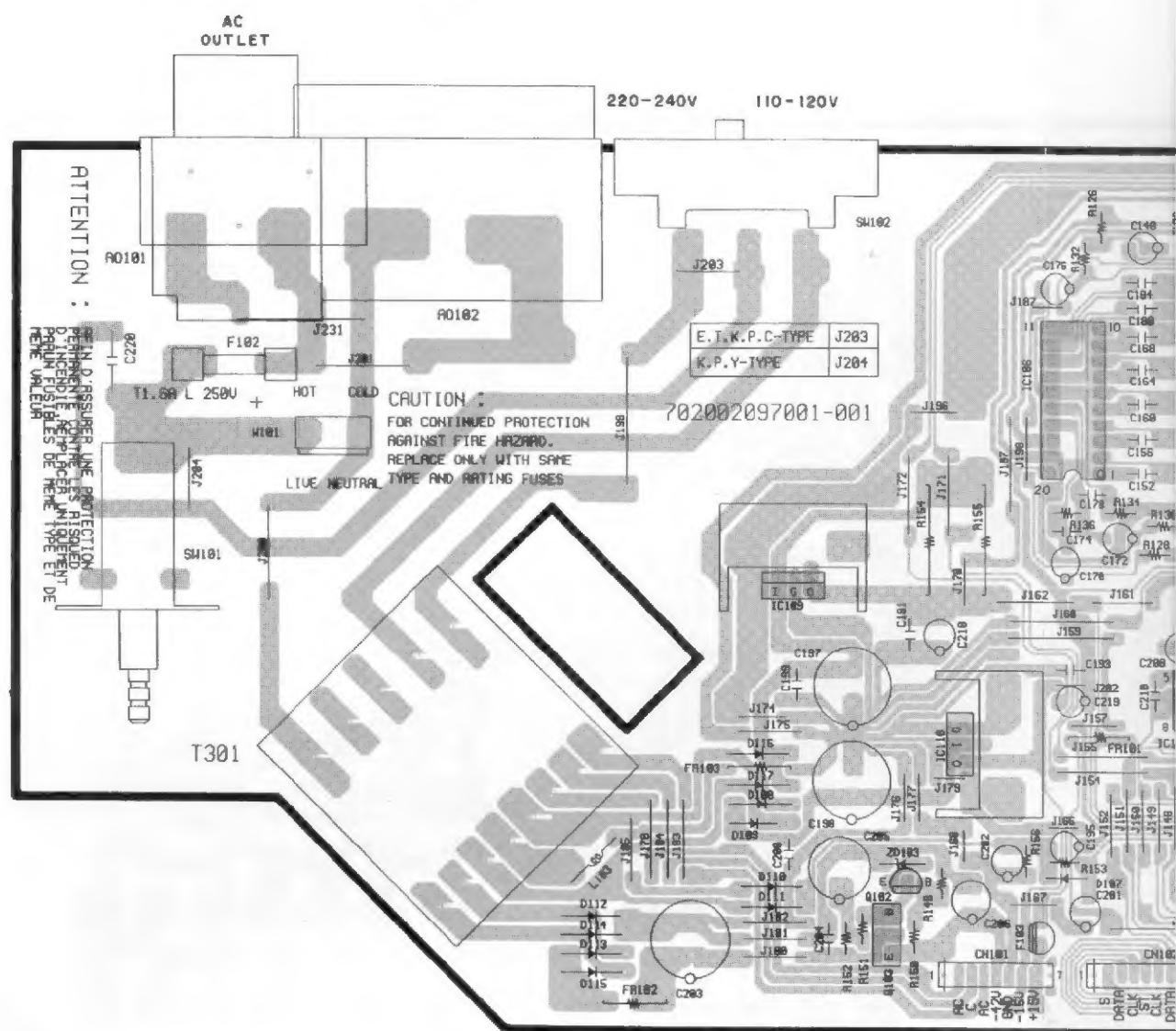
(PC BOARD(Component side view)

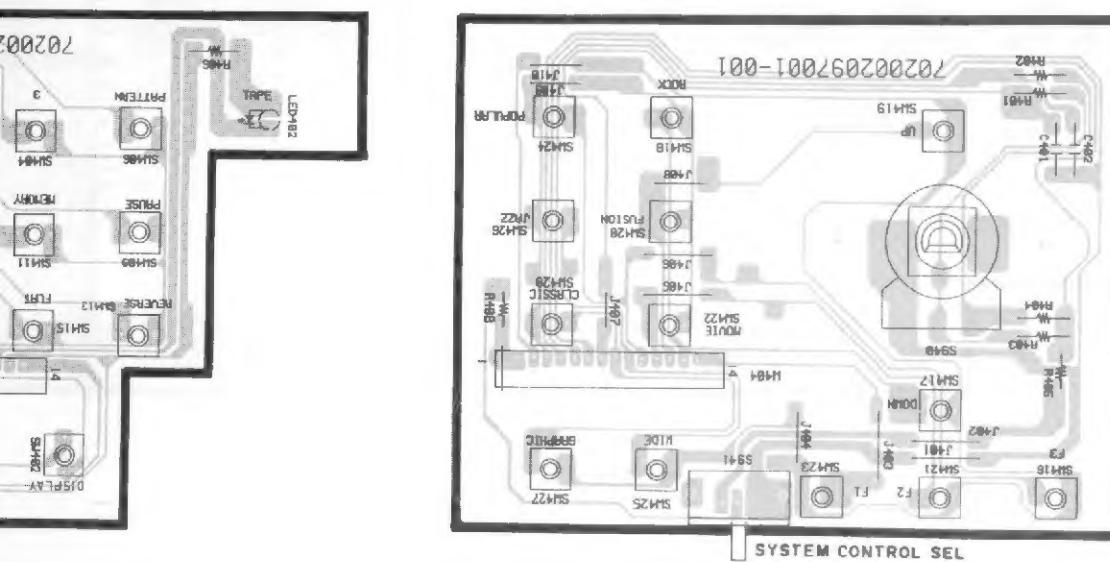
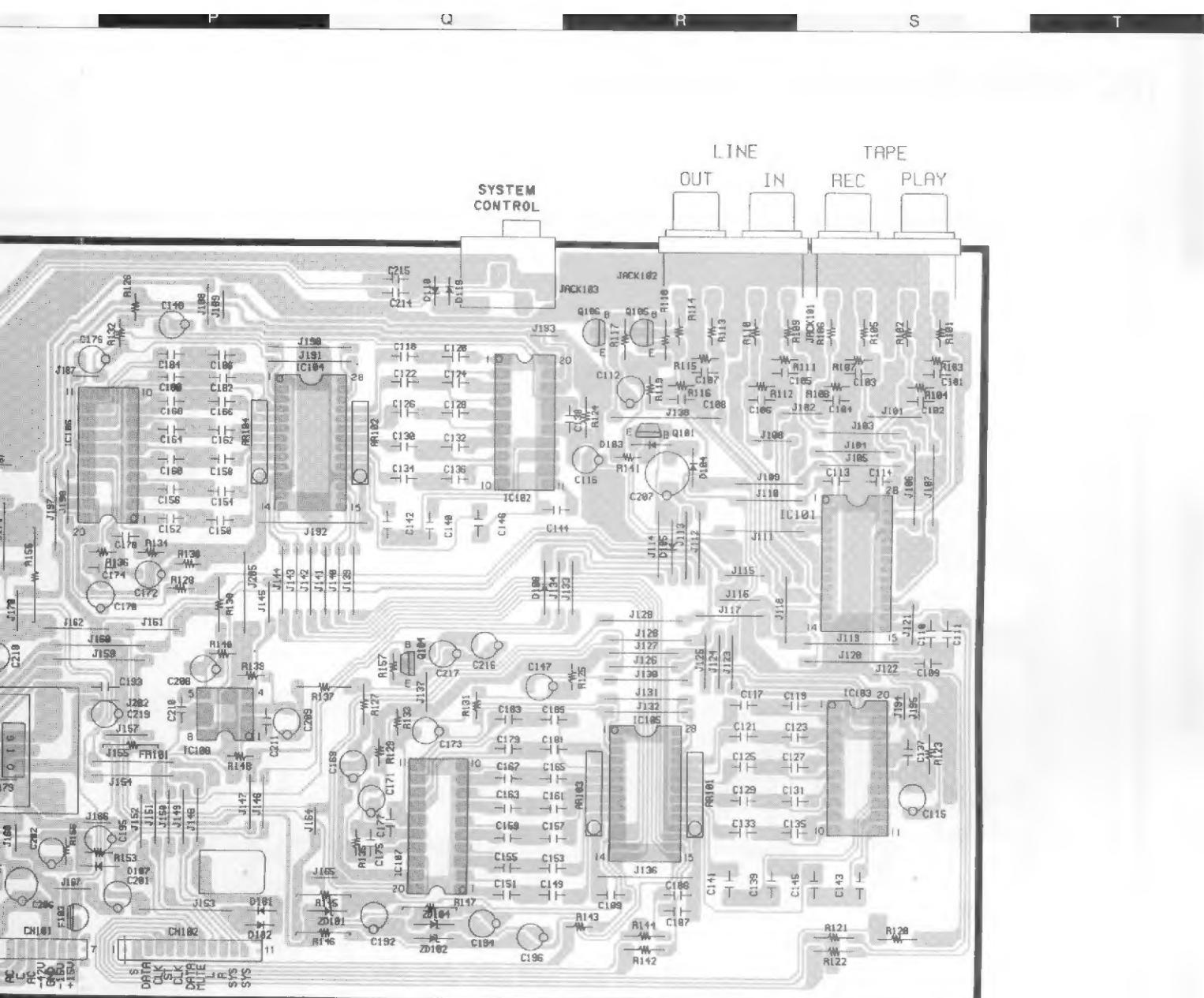


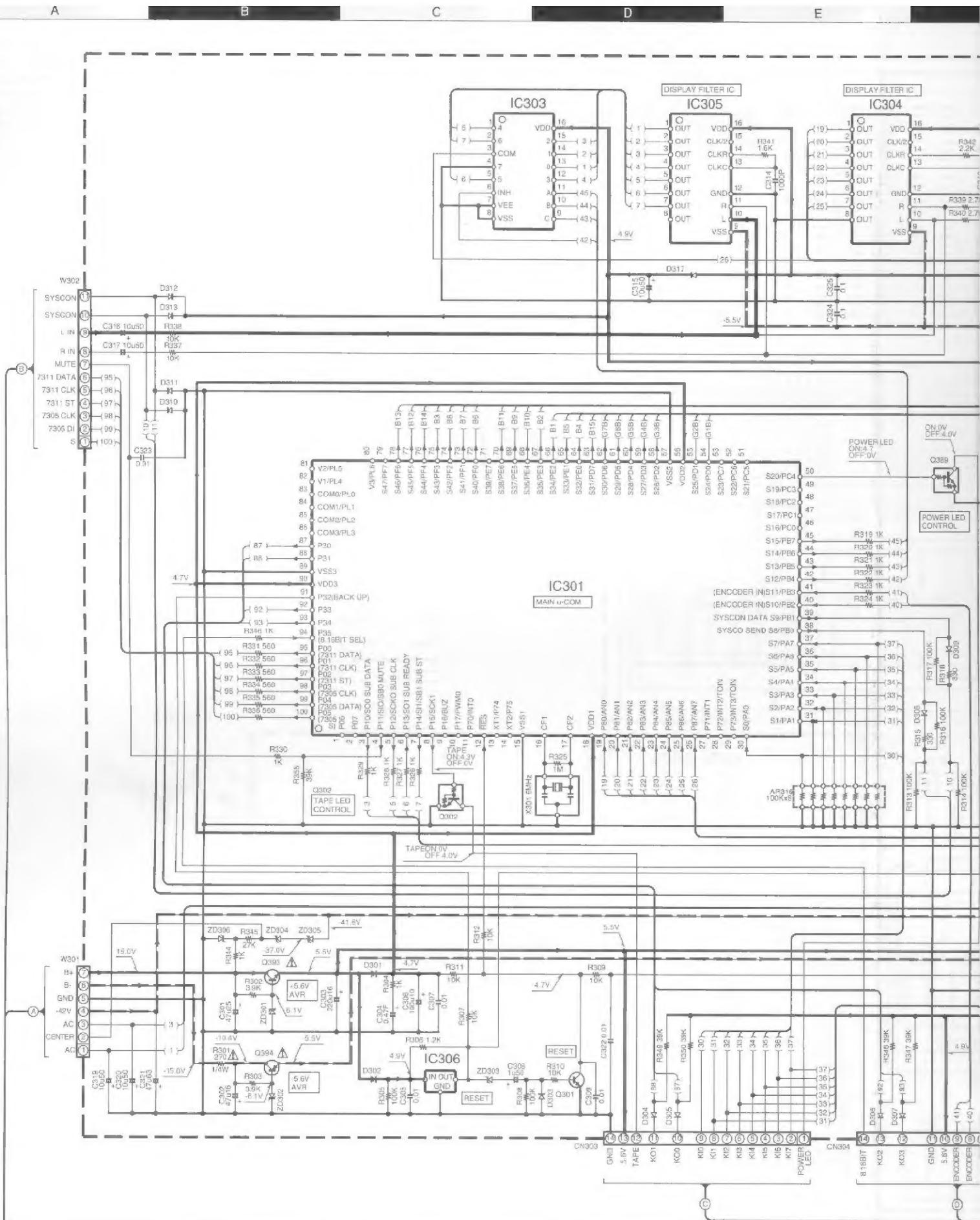
Refer to the schematic diagram for the value of resistors and capacitors.

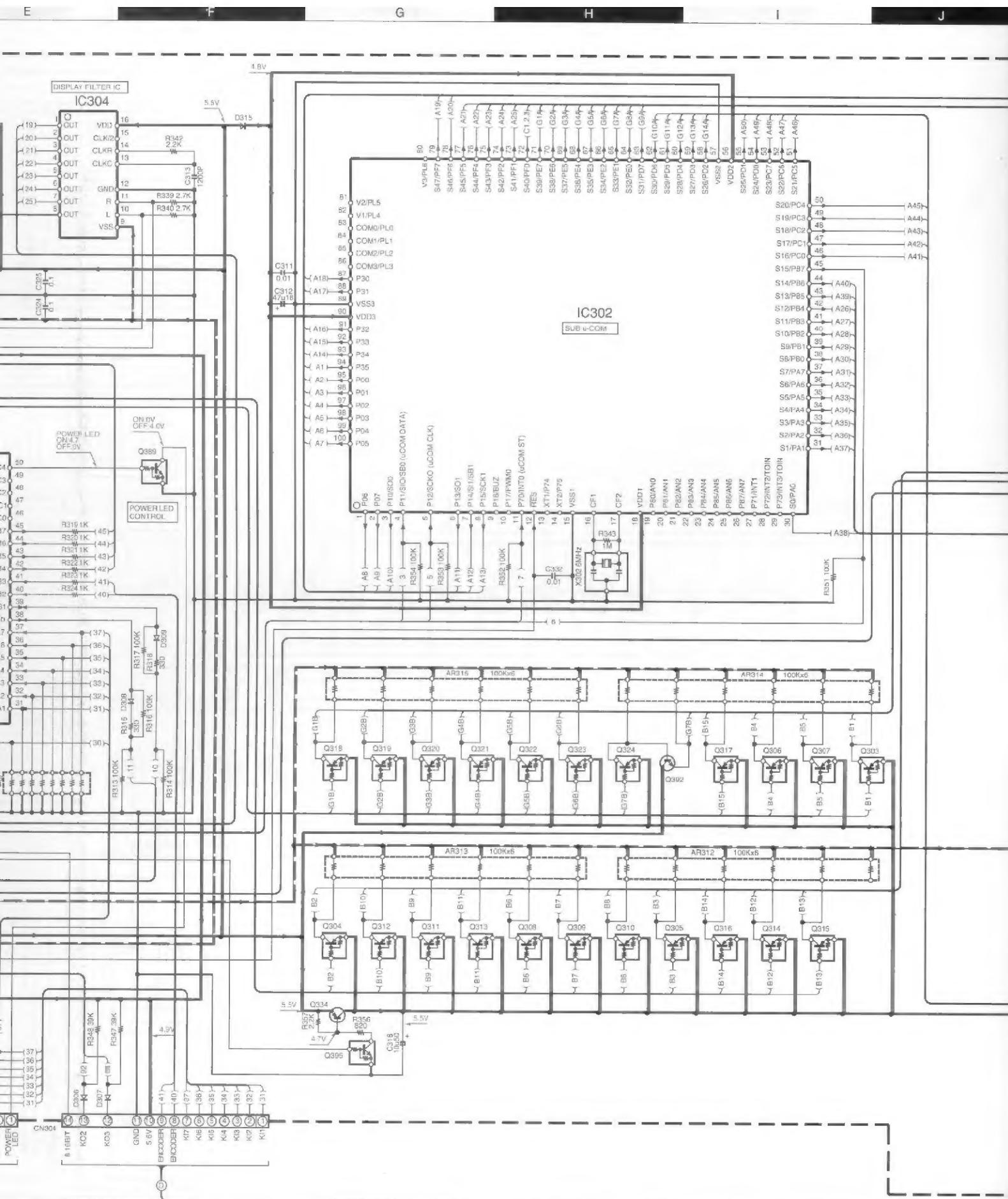


(PC BOARD(Component side view)

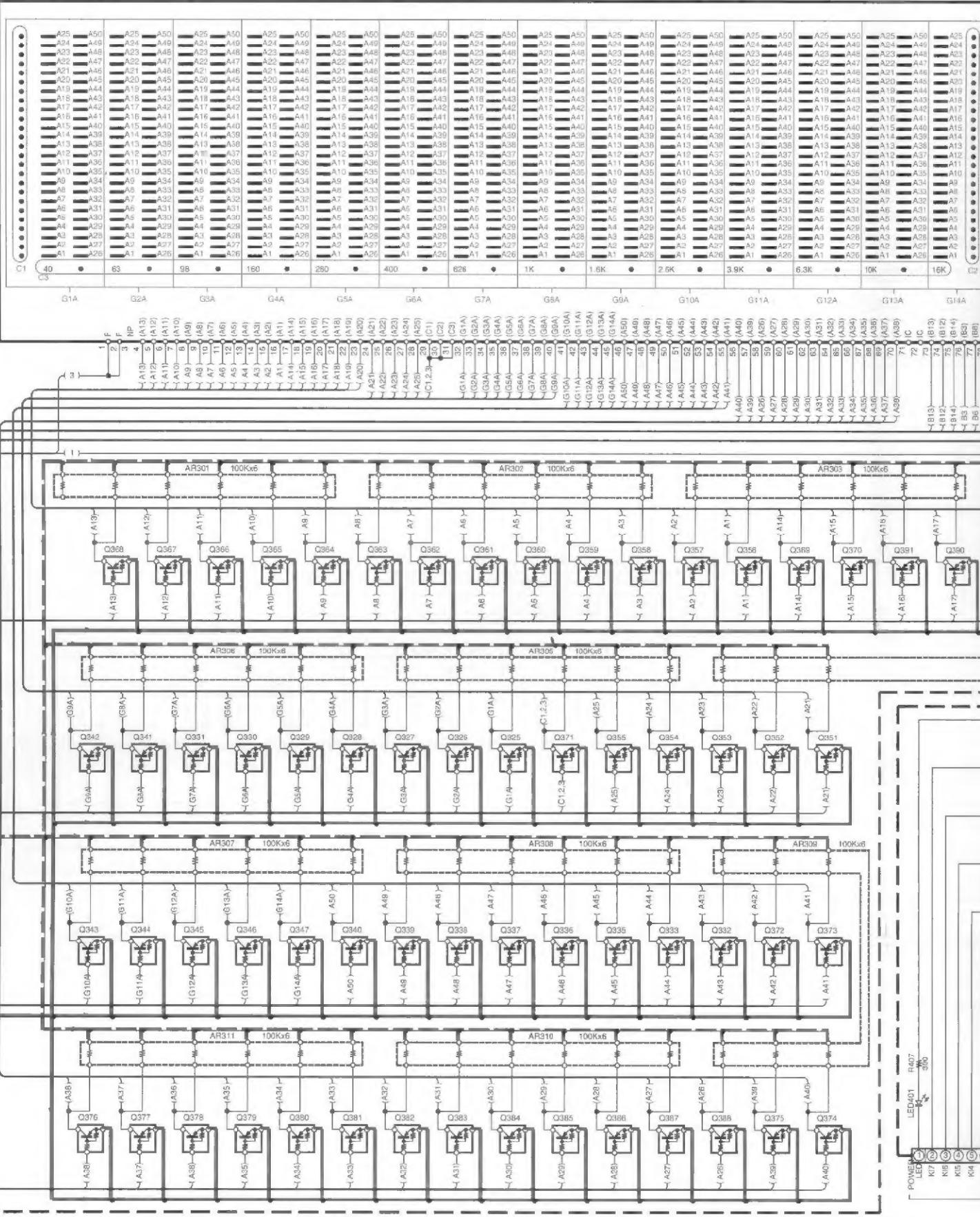




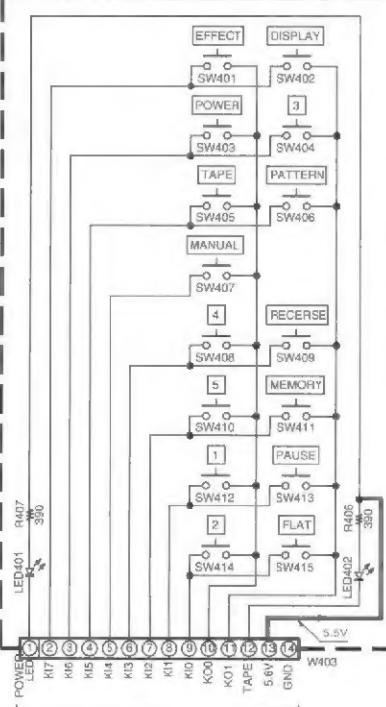
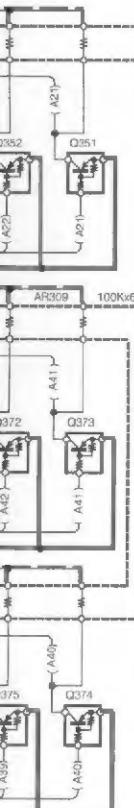
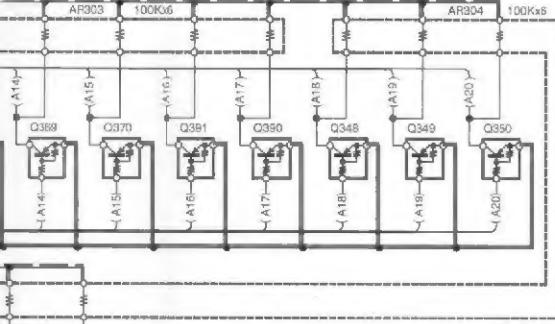
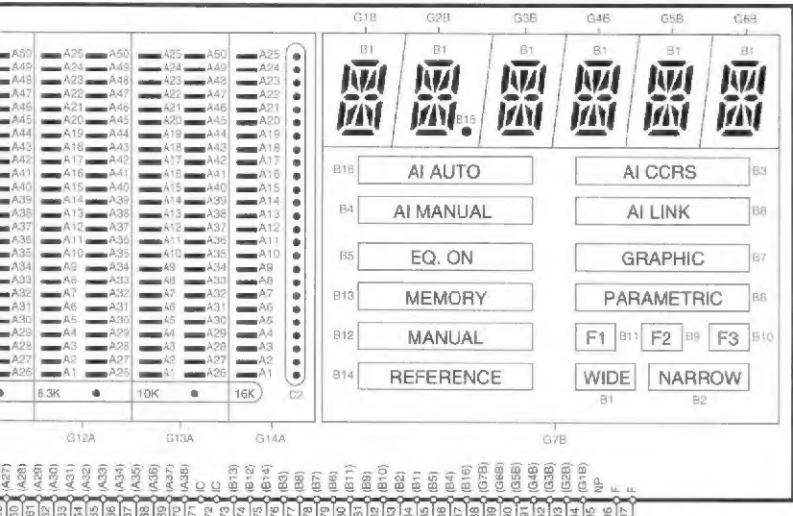




FLT301



O P Q R S T



KE-7090(M) (1/2)

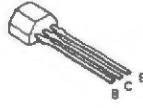
Y09-4560-10

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter. The measurement value may vary depending on the measuring instruments used or on the product.

DTA124ES
DTC114ES
DTC124ES
2SA933S
2SC1740S

NJM4558DD



IC301 : LC867224A-5D35
IC302 : LC867224A-5D36
IC303 : TC4051BP
IC304,305 : XR1081
IC306 : KIA7039P

Q301 : 2SC1740S
Q302,389,395 : DTC114ES
Q303-333 : DTA124ES
Q334 : ETA1271Y
Q335-385,390,391 : DTA124ES
Q392 : KTC3227Y
Q393 : KTD2058Y
Q394 : 2SA933S

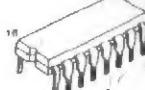
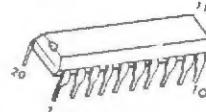
D301-313,315,317 : 1SS131
ZD301,302 : MTZJ5.2B
ZD303 : MTZJ2.7B
ZD304,305 : MTZJ4.7B
ZD306 : MTZJ5.6B

FLT301 : FIP21BMW24

SIGNAL LINE
GND LINE
+B LINE
-B LINE

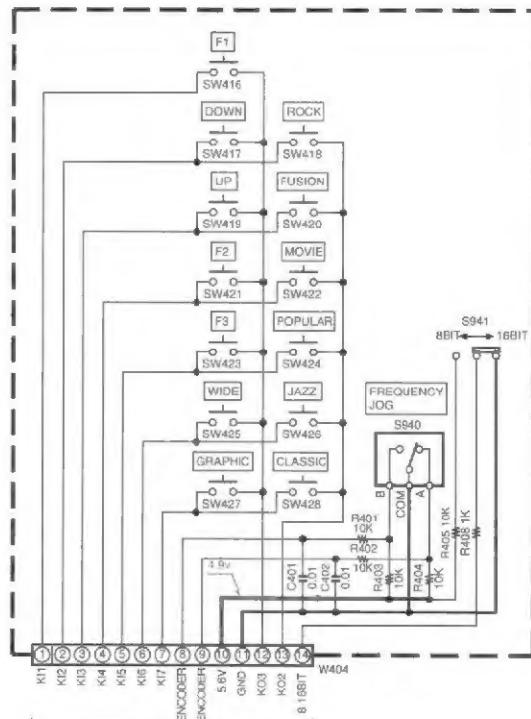
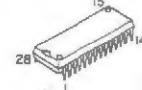
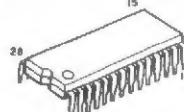
M5229P

TC4051BP

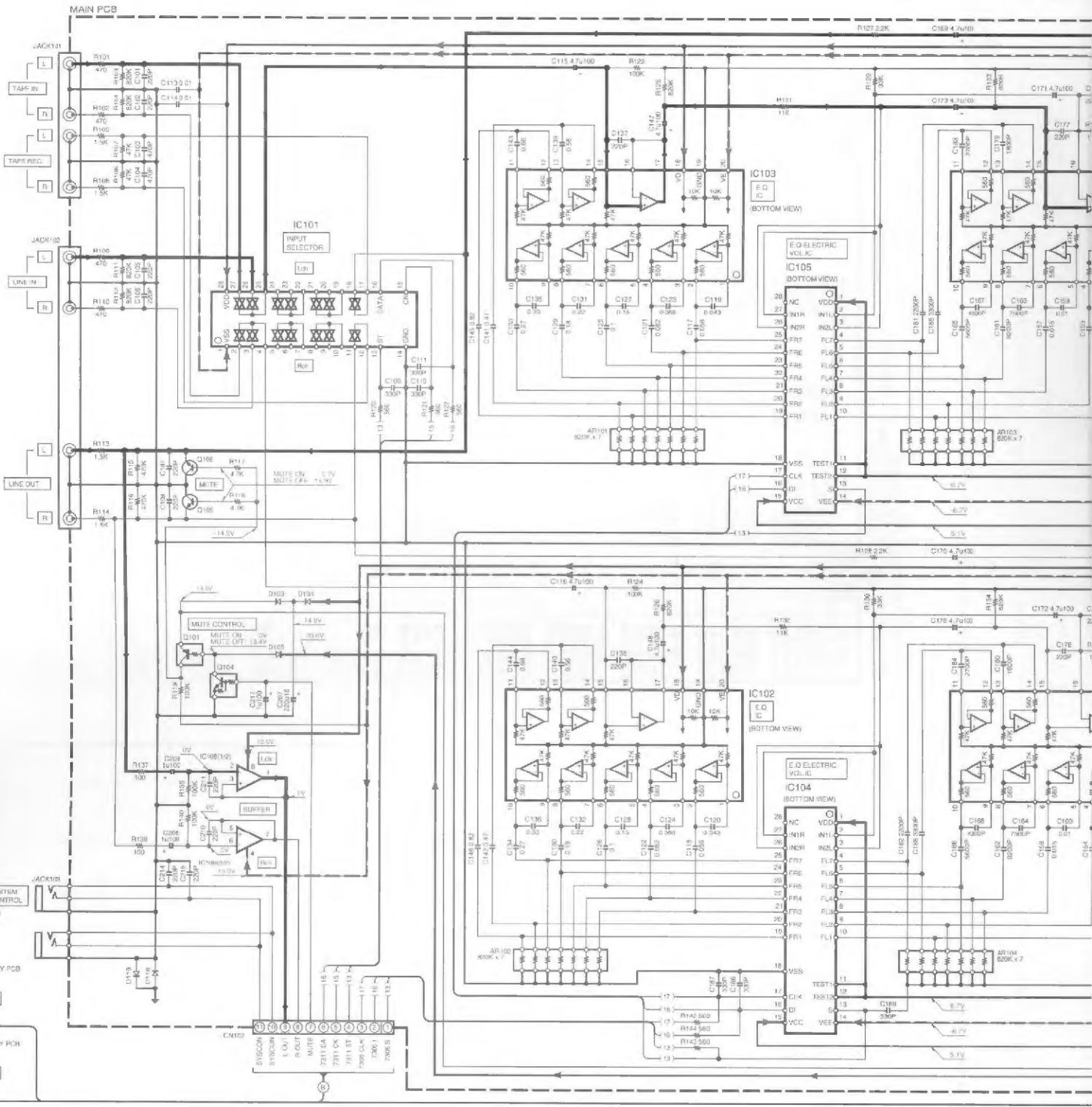


NJU7305L

NJU7311AL

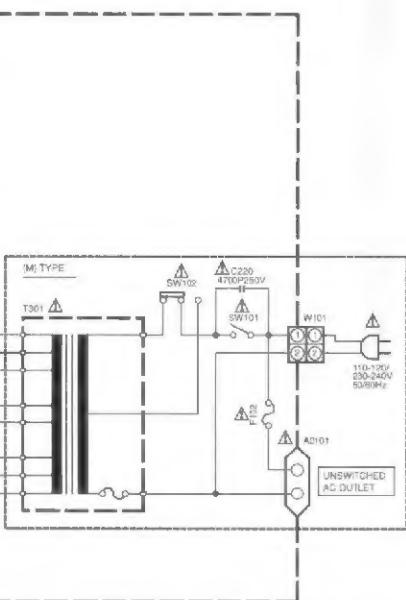
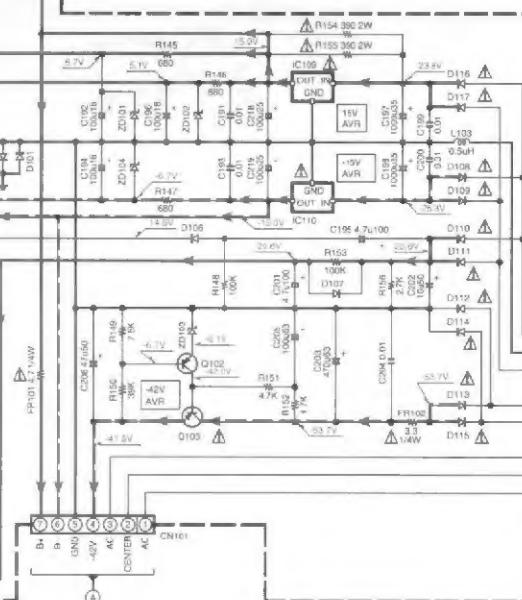
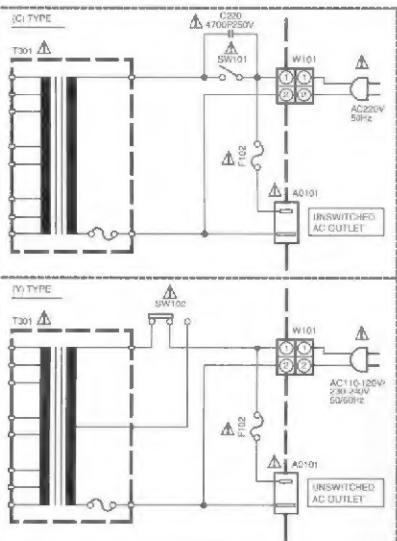
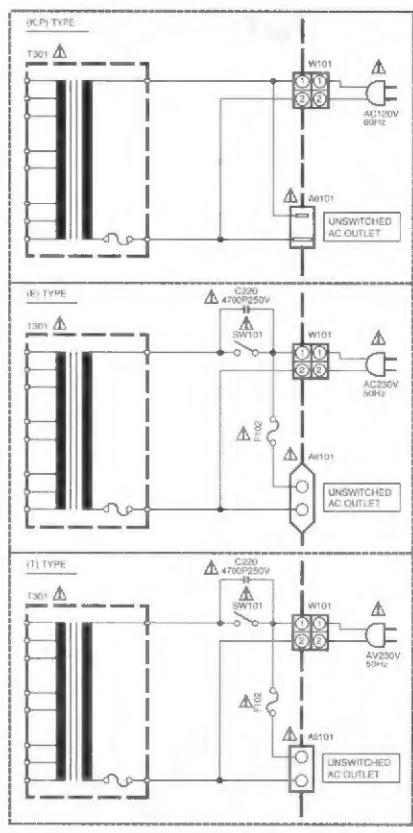
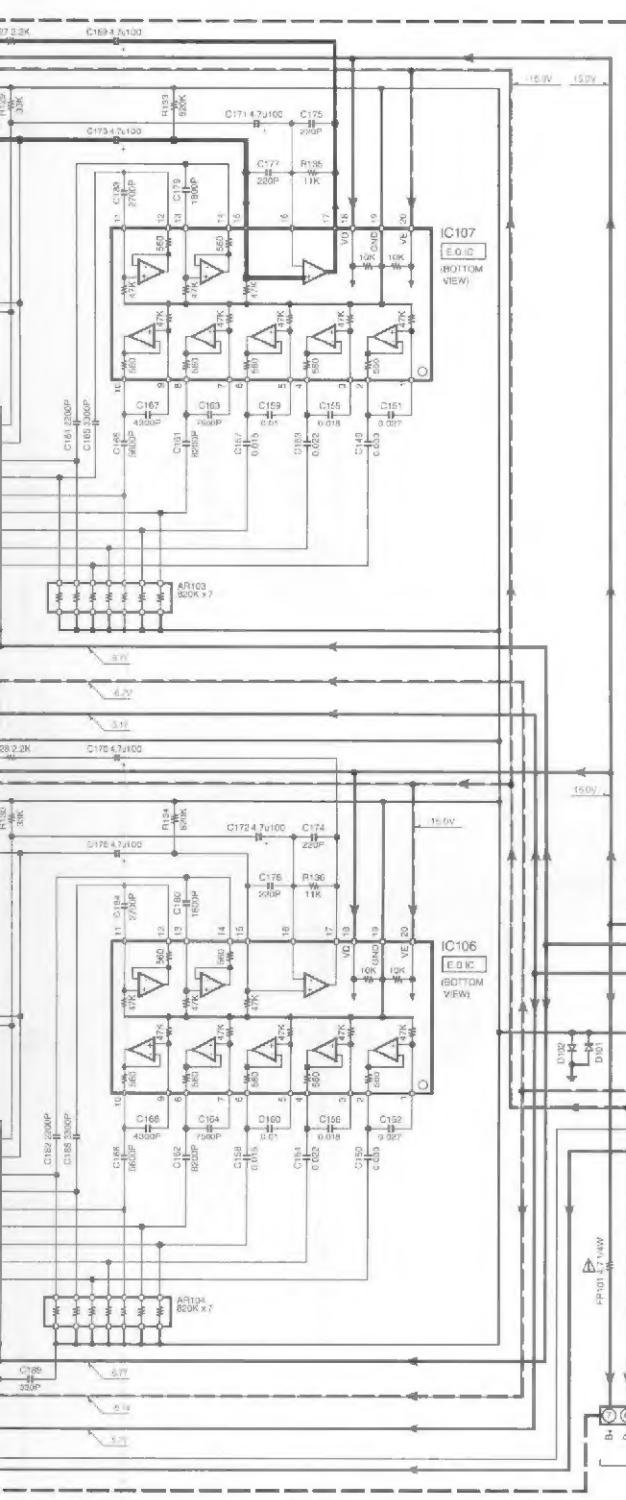


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KE-7090(M) {2/2}

Y09-4560-10

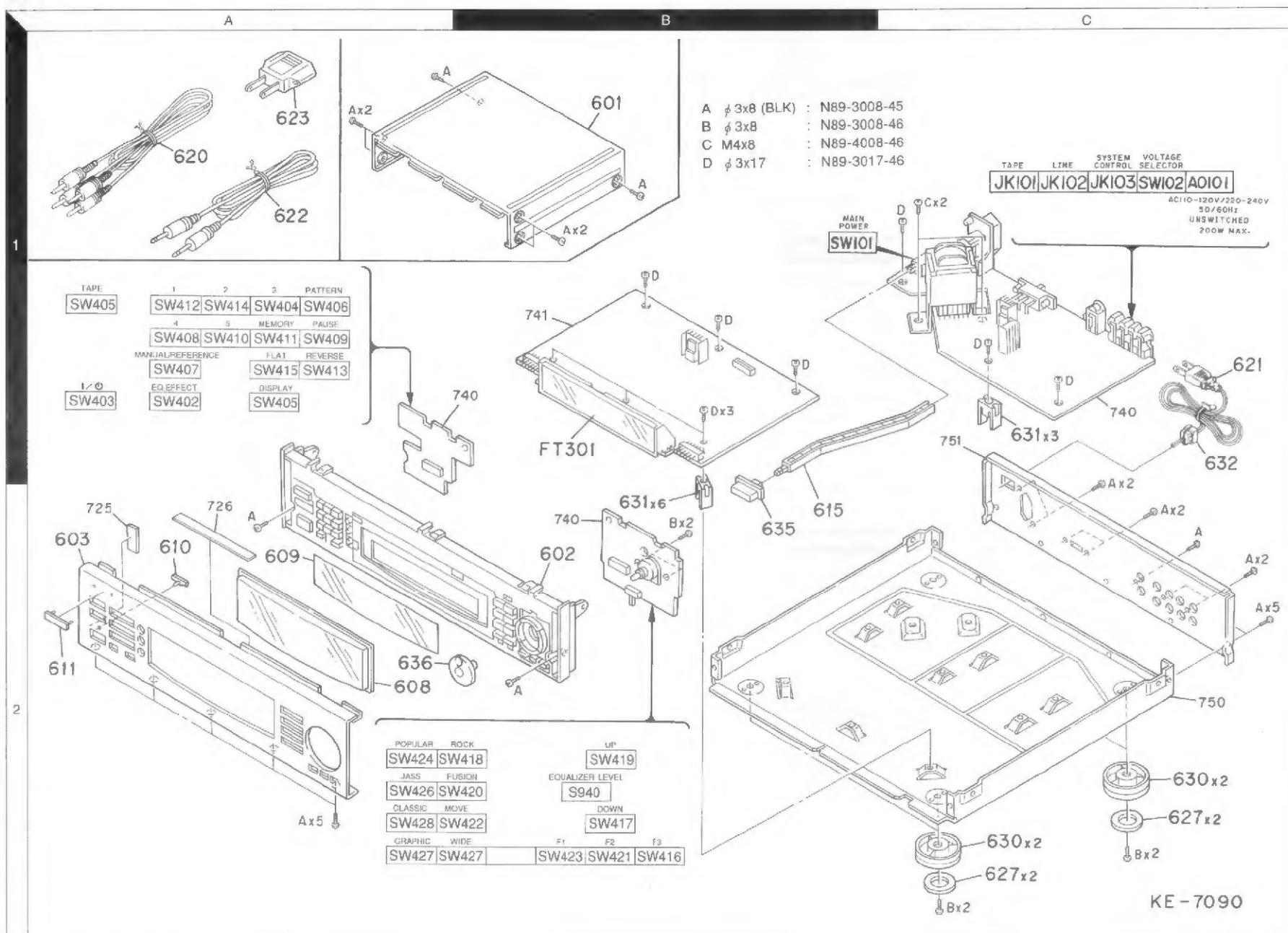
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EXPLODED VIEW (UNIT)

KE - 7090



1070KE/KE-7090

SPECIFICATIONS

[Audio block]

Total harmonic distortion (at 1 kHz, Flat)	0.005%
Frequency response	10 Hz ~ 70 kHz, ± 3 dB
Signal to noise ratio (IHF '66)	108 dB
Graphic equalizer characteristics	
Adjustment center frequencies	40 Hz, 63 Hz, 98 Hz, 160 Hz, 250 Hz, 400 Hz, 625 Hz, 1 kHz, 1.5 kHz, 2.5 kHz, 3.9 kHz, 6.3 kHz, 10 kHz, 16 kHz
Equalizer characteristic variable range	± 12 dB
Input impedance	
Line	47 kΩ
Maximum output voltage (at 1% T.H.D.)	7 V
Output Impedance	
Line	2.2 kΩ

[General]

AC outlets

For the U.S.A. and Canada	
UNSWITCHED	1 (200W, 1.6A max.)
For other countries	
UNSWITCHED	1 (200W max.)
Power consumption	18 W
Dimensions	W: 440 mm (17-5/16") H : 123 mm(4-7/8") D : 371 mm(14-5/8")
Weight (net)	4.2 kg (9.3 lb)

Note :

We follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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